

REPORT ON BOILERS.

No. 163.

MAR 15 1939

Received at London Office

of writing Report March 1939 When handed in at Local Office 10 March 1939 Port of Danzig

No. in Survey held at Danzig Date, First Survey 10 November 1938 Last Survey 21 Feb 1939

Book. 44 on the TWIN SCREW M.V. "ABBEKERK" (Number of Visits 6) Tons Gross 7906
Net 4764

at Danzig By whom built F. Schichau GbH Yard No. 1419 When built 1939

ines made at Elbing By whom made F. Schichau GbH Engine No. 3682/83 When made 1939

ers made at Hamburg By whom made Christiansen & Meyer Boiler No. 5241 When made 1938

ers Vereenigde Nederlandische Scheeps Maats. Port belonging to The Hague

VERTICAL DONKEY BOILER.

at Hamburg By whom made Christiansen & Meyer Boiler No. 5241 When made 1938 Where fixed Room, middle platform

ufacturers of Steel PLEASE SEE HAMBURG REPORT No 22904

al Heating Surface of Boiler Is forced draught fitted Coal or Oil fired

and Description of Boilers Working pressure

ted by hydraulic pressure to Date of test No. of Certificate

a of Firegrate in each Boiler No. and Description of safety valves to each boiler

a of each set of valves per boiler per rule Pressure to which they are adjusted 100/650 Are they fitted with easing gear Yes

e whether steam from main boilers can enter the donkey boiler Smallest distance between boiler or uptake and bunkers

oodwork Is oil fuel carried in the double bottom under boiler Smallest distance between base of boiler and tank top plating

on middle platform Is the base of the boiler insulated No Largest internal dia. of boiler Height

l plates: Material Tensile strength Thickness

the shell plates welded or flanged Description of riveting: circ. seams { end. long. seams } inter.

of rivet holes in { circ. seams Pitch of rivets } Percentage of strength of circ. seams { plate rivets } of Longitudinal joint { plate rivets combined }

king pressure of shell by rules Thickness of butt straps { outer inner }

l Crown: Whether complete hemisphere, dished partial spherical, or flat Material

ile strength Thickness Radius Working pressure by rules

ription of Furnace: Plain, spherical, or dished crown Material Tensile strength

ickness External diameter { top bottom } Length as per rule Working pressure by rules

h of support stays circumferentially and vertically Are stays fitted with nuts or riveted over

meter of stays over thread Radius of spherical or dished furnace crown Working pressure by rule

ickness of Ogee Ring Diameter as per rule { D d } Working pressure by rule

ubustion Chamber: Material Tensile strength Thickness of top plate

ius if dished Working pressure by rule Thickness of back plate Diameter if circular

gth as per rule Pitch of stays Are stays fitted with nuts or riveted over

meter of stays over thread Working pressure of back plate by rules

e Plates: Material { front back } Tensile strength Thickness Mean pitch of stay tubes in nests

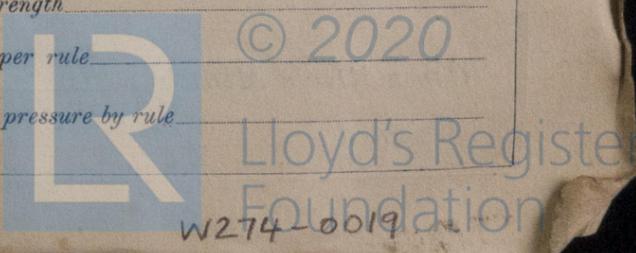
mprising shell, Dia. as per rule { front back } Pitch in outer vertical rows { stay plain } Dia. of tube holes FRONT BACK { stay plain }

ch alternate tube in outer vertical rows a stay tube Working pressure by rules { front back }

ers to combustion chamber tops: Material Tensile strength

th and thickness of girder at centre Length as per rule

ance apart No. and pitch of stays in each Working pressure by rule



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Crown stays: Material _____ Tensile strength _____ Diameter { at body of stay,
 or
 over threads.....

No. of threads per inch _____ Area supported by each stay _____ Working pressure by rules _____

Screw stays: Material _____ Tensile strength _____ Diameter { at turned off part,
 or
 over threads.....

Area supported by each stay _____ Working pressure by rules _____ No. of threads per inch _____

Are the stays drilled at the outer ends _____

Tubes: Material _____ External diameter { plain
 stay.....

Thickness {
 Working pressure by rules _____

No. of threads per inch _____ Pitch of tubes _____

Manhole Compensation: Size of opening in shell plate _____ Section of compensating ring _____ No. of rivets and dia _____

of rivet holes _____ Outer row rivet pitch at ends _____ Depth of flange if manhole flanged _____

Uptake: External diameter _____ Thickness of uptake plate _____

Cross Tubes: No. _____ External diameters {
 Thickness of plates _____

Have all the requirements of Sections 14 to 23 inclusive for boilers been complied with _____

The foregoing is a correct description, _____

Dates of Survey { During progress of work in shops - - } _____ Is the approved plan of boiler forwarded herewith (If not state date of approval.) _____

while building { During erection on board vessel - - } 1936. Nov 10. Dec 21. 1937. Jan 3. 31. Feb 6. 21. Total No. of visits 6

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

The Vertical Donkey boiler Hamburg Report No 22904. has been satisfactorily fitted on board.

The boiler has been examined under steam and the safety valves adjusted to 100 lbs sq" and is eligible in my opinion to have record of D.B. 100 lbs sq"

Survey Fee ... £ : : } When applied for, 19

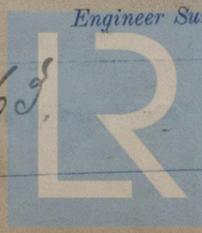
Travelling Expenses (if any) £ : : } When received, 19

A. Shaw.
 Engineer Surveyor to Lloyd's Register of Shipping

Committee's Minute _____
 Assigned _____

FRI 24 MAR 1939

See Day. 26 Apr. 163.



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